



**Environmental
Laboratories Corporation**



111 Herrick Street, Merrimack, NH 03054
TEL: (603) 424-2022 · FAX: (603) 429-8496

November 10, 2000

Tim Dame
GEI Consultants, Inc.
1021 Main Street
Winchester, MA 01890
TEL: (781) 721-4000
FAX (781) 721-4073

RE: 00291 Canton

Order No.: 0010268

Dear Tim Dame:

AMRO Environmental Laboratories Corp. received 10 samples on 10/26/00 for the analyses presented in the following report.

AMRO operates a Quality Assurance Program which meets or exceeds EPA and state requirements. A copy of the appropriate State Certificate is attached. The enclosed Sample Receipt Checklist details the condition of your sample(s) upon receipt. Please see the enclosed Case Narrative for quality control deviations that were encountered during the analyses associated with this project.

Please be advised that any unused sample volume and sample extracts will be stored for a period of thirty (30) days from this report date. After this time, AMRO will properly dispose of the remaining sample(s). If you require further analysis, or need the samples held for a longer period, please contact us immediately.

This letter is an integral part of your data report. If you have any questions regarding this project in the future, please refer to the Order Number above.

Sincerely,

A handwritten signature in dark ink, appearing to read "Nancy Stewart". The signature is fluid and cursive.

Nancy Stewart
Vice President / Lab Director

WORK ORDER SAMPLE SUMMARY

AMRO Environmental Laboratories Corp.

Date: 06-Nov-00

CLIENT: GEI Consultants, Inc.

Project: 00291 Canton

Lab Order: 0010268

Date Received: 10/26/00

Work Order Sample Summary

| Lab Sample ID | Client Sample ID | Collection Date |
|---------------|------------------|-----------------|
| 0010268-01A | 00291-SS1 | 10/25/00 |
| 0010268-02A | 00291-SS2 | 10/25/00 |
| 0010268-03A | 00291-SS3 | 10/25/00 |
| 0010268-04A | 00291-SS4 | 10/25/00 |
| 0010268-05A | 00291-SS5 | 10/25/00 |
| 0010268-06A | 00291-SS6 | 10/25/00 |
| 0010268-07A | 00291-SS8 | 10/25/00 |
| 0010268-08A | 00291-SS10 | 10/25/00 |
| 0010268-09A | 00291-SS7 | 10/25/00 |
| 0010268-10A | 00291-SS9 | 10/25/00 |

Lab Order: 0010268
Client: GEI Consultants, Inc.
Project: 00291 Canton

DATES REPORT

| Sample ID | Client Sample ID | Collection Date | Matrix | Test Name | TCLP Date | Prep Date | Analysis Date |
|-------------|------------------|-----------------|--------|----------------------|-----------|-----------|---------------|
| 0010268-01A | 00291-SS1 | 10/25/00 | Soil | PCBS IN SOIL/SOLIDS | | 10/30/00 | 10/31/00 |
| | | | | Percent Moisture | | | 10/26/00 |
| 0010268-02A | 00291-SS2 | | | PCBS IN SOIL/SOLIDS | | 10/30/00 | 10/31/00 |
| | | | | Percent Moisture | | | 10/26/00 |
| 0010268-03A | 00291-SS3 | | | PCBS IN SOIL/SOLIDS | | 10/30/00 | 10/31/00 |
| | | | | PCBS IN SOIL/SOLIDS | | 10/30/00 | 11/1/00 |
| | | | | Percent Moisture | | | 10/26/00 |
| 0010268-04A | 00291-SS4 | | | PCBS IN SOIL/SOLIDS | | 10/30/00 | 10/31/00 |
| | | | | PCBS IN SOIL/SOLIDS | | 10/30/00 | 11/1/00 |
| | | | | Percent Moisture | | | 10/26/00 |
| 0010268-05A | 00291-SS5 | | | PCBS IN SOIL/SOLIDS | | 10/30/00 | 11/1/00 |
| | | | | PCBS IN SOIL/SOLIDS | | 10/30/00 | 10/31/00 |
| | | | | Percent Moisture | | | 10/26/00 |
| 0010268-06A | 00291-SS6 | | | PCBS IN SOIL/SOLIDS | | 10/30/00 | 11/1/00 |
| | | | | Percent Moisture | | | 10/26/00 |
| 0010268-07A | 00291-SS8 | | | PCBS IN SOIL/SOLIDS | | 10/30/00 | 11/1/00 |
| | | | | Percent Moisture | | | 10/26/00 |
| 0010268-08A | 00291-SS10 | | | PCBS IN SOIL/SOLIDS | | 10/30/00 | 11/1/00 |
| | | | | Percent Moisture | | | 10/26/00 |
| 0010268-09A | 00291-SS7 | | | EPH, Soil, Full List | | 10/27/00 | 10/31/00 |
| | | | | PCBS IN SOIL/SOLIDS | | 10/30/00 | 11/1/00 |
| | | | | PCBS IN SOIL/SOLIDS | | 10/30/00 | 11/1/00 |
| | | | | Percent Moisture | | | 10/26/00 |
| 0010268-10A | 00291-SS9 | | | EPH, Soil, Full List | | 10/27/00 | 11/1/00 |
| | | | | PCBS IN SOIL/SOLIDS | | 10/30/00 | 11/1/00 |
| | | | | Percent Moisture | | | 10/26/00 |

CHAIN-OF-CUSTODY

Project Name and Number:

00291 Canton

Samplers:

A. Stone
C. Hayward

Preservative

Analysis

* 'Special Rates'

MDC

Remarks

PCB

✓

↓

↓

↓

↓

↓

↓

↓

↓

Station No.

Date

Time
(hours)

Matrix

Sample Number

No. of
Containers

SS-1

10/25/00

1410

Soil

00291-SS1

1

SS-2

1415

00291-SS2

SS-3

1450

00291-SS3

SS-4

1440

00291-SS4

SS-5

1505

00291-SS5

SS-6

1515

00291-SS6

SS-7

1530

00291-SS7

SS-8

1540

00291-SS8

SS-9

1550

00291-SS9

SS-10

1605

00291-SS10

TAT:

24 hr

48 hr

72 hr

Normal

Relinquished by:

A. Stone

Date/Time:

10/25/00 1720

Received by:

Sample Fridge

Relinquished by:

Sample Fridge

Date/Time: 0735

Received by:

W. Lawrence

Relinquished by:

W. Lawrence

Date/Time:

10/24/01

Received by:

W. Lawrence

Relinquished by:

Date/Time:

1

Received for Laboratory by:

Method of Shipment:

Remarks:



GEI Consultants, Inc.

FAX

1021 Main Street
Winchester, MA 01890

Tel. 781-721-4000
Fax 781-721-4073

| | | |
|----------|---------------------------|--|
| 10/26/00 | 00291 | 4 |
| date | GEI project or proposal # | task code (if required) |
| | | number of pages including this page |

To: Mirra - AMRO

Fax No.: 1-603-429-8496

From: Tim Dame

Message

Here are some corrections/additional analyses/info per our phone discussion:

- 1) Please log in the samples SS-7 and SS-9 for the MDC Canton project for EPH also. Amended COC is attached.
- 2) The North Jetty sample SS303 Stan faxed me about earlier should be analyzed for EPH per the COC. Clear glass jars are OK.
- 3) Due to holding time issue, please extract Conley samples: Pit A, B, C & D for TPH fingerprint. Do not analyze extracts until requested.
- 4) For Conley samples SP6, SP7, and SP9 RCRA 8 metals were requested, so ^{1 sample} separate request for total lead. Amended COC is attached.

| | | | |
|--------------------|------|---------|-----------|
| GEI use, check one | File | Discard | Return to |
|--------------------|------|---------|-----------|

Project Name and Number:

00291 Canton

Samplers:

A. Stone
C. Hayward

Preservative

Analysis

* "Special Rates"

WDC

Remarks

| Station No. | Date | Time (hours) | Matrix | Sample Number | No. of Containers | PCB | EPT | DN | 10/26/05 | | |
|---|----------|--------------|--------|---------------|-------------------|-----|-----|----|----------|--|--|
| SS-1 | 10/25/00 | 1410 | Soil | 00291-SS1 | 1 | ✓ | | | | | |
| SS-2 | | 1415 | | 00291-SS2 | | | | | | | |
| SS-3 | | 1450 | | 00291-SS3 | | | | | | | |
| SS-4 | | 1440 | | 00291-SS4 | | | | | | | |
| SS-5 | | 1505 | | 00291-SS5 | | | | | | | |
| SS-6 | | 1515 | | 00291-SS6 | | | | | | | |
| SS-7 | | 1530 | | 00291-SS7 | | | X | | | | |
| SS-8 | | 1540 | | 00291-SS8 | | | | | | | |
| SS-9 | | 1550 | | 00291-SS9 | | | X | | | | |
| SS-10 | | 1605 | ↓ | 00291-SS10 | ↓ | ↓ | | | | | |
| TAT: _____ 24 hr _____ 48 hr _____ 72 hr _____ Normal | | | | | | | | | | | |

| | | | | | |
|------------------------------|-----------------------------|--|-----------------------------------|--------------------|-----------------------------|
| Relinquished by: A. Stone | Date/Time: 10/25/00 1720 | Received by: Sample Fridge | Relinquished by: Sample Fridge | Date/Time: 0735 | Received by: W. L. Lauer |
| Relinquished by: | Date/Time: 1 | Received by: | Relinquished by: | Date/Time: 1 | Received for Laboratory by: |
| Method of Shipment: | | Remarks: added EPT analysis 10/26/05 J. D. Miller | | | |

SAMPLE RECEIPT CHECKLIST

SAMPLE RECEIPT CHECKLIST I

Client: GET
Project Name: CAUTION
Ship via: (circle one) Fed Ex., UPS, AMRO Courier,
Hand Del., Other Courier, Other:AMRO ID: 10268 (663) 424-2022
Date Recd: 10-26-00
Date Due: 11-6-00

Items to be Checked Upon Receipt

1. Army Samples received in individual plastic bags?

2. Custody Seals present?

3. Custody Seals Intact?

4. Air Bill included in folder if received?

5. Is COC included with samples?

6. Is COC signed and dated by client?

7. Laboratory receipt temperature.

Samples rec. with ice, ice packs neither TEMP = 30

8. Were samples received the same day they were sampled?

Is client temperature $4^{\circ}\text{C} \pm 2^{\circ}\text{C}$?

If no obtain authorization from the client for the analyses.

Client authorization from: Date: Obtained by:

9. Is the COC filled out correctly and completely?

10. Does the info on the COC match the samples?

11. Were samples rec. within holding time?

12. Were all samples properly labeled?

13. Were all samples properly preserved?

14. Were proper sample containers used?

15. Were all samples received intact? (none broken or leaking)

16. Were VOA vials rec. with no air bubbles?

17. Were the sample volumes sufficient for requested analysis?

18. Were all samples received?

19. VPH and VOA Soils only:

Sampling Method VPH (circle one): M=Methanol, E=EnCore (air-tight container)

Sampling Method VOA (circle one): M=Methanol, SB=Sodium Bisulfate, E=EnCore, B=Bulk

If M or SB:

Does preservative cover the soil?

If NO then client must be faxed.

Does preservation level come close to the fill line on the vial?

If NO then client must be faxed.

Were vials provided by AMRO?

If NO then weights MUST be obtained from client

Was dry weight aliquot provided?

If NO then fax client and inform the VOA lab ASAP.

20. Subcontracted Samples:

What samples sent:

Where sent:

Date:

Analysis:

TAT:

21. Information entered into:

Internal Tracking Log?

Dry Weight Log?

Client Log?

Composite Log?

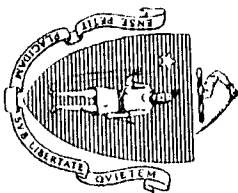
Filtration Log?

Received By: M6 Date: 10/26/00
Labeled By: SJS Date: 10/26/00Logged in By: SJS
Checked By: M6Date: 10/26/00
Date: 10/27/00

NA= Not Applicable

STATE CERTIFICATE

The Commonwealth of Massachusetts



Department of Environmental Protection Division of Environmental Analysis Senator William X. Wall Experiment Station

certifies

M-NH012 AMRO ENVIRONMENTAL LAB
111 HERRICK ST
MERRIMACK, NH 03054-0000

Laboratory Director: Nancy Stewart

for the analysis of NON POTABLE WATER (CHEMISTRY)
POTABLE WATER (CHEMISTRY)

pursuant to 310 CMR 42.00

*This certificate supersedes all previous Massachusetts certificates issued to this laboratory.
The laboratory is regulated by and shall be responsible for being in compliance with
Massachusetts regulations at 310 CMR 42.00.*

*This certificate is valid only when accompanied by the latest dated Certified Parameter List
as issued by the Massachusetts D.E.P. Contact the Division of Environmental Analysis to
verify the current certification status of the laboratory.*

*Certification is no guarantee of the validity of the data. This certification is subject to
unannounced laboratory inspections.*

A handwritten signature in cursive script, reading "Dean V. Saracola".

*Issued: 01 JUL 2000
Expires: 30 JUN 2001*

Director, Division of Environmental Analysis

CASE NARRATIVE

CASE NARRATIVE
0010268

GENERAL

1. No QC deviations were observed.

MADEP-EPH
SOIL

1. The batch Matrix Spike (MS) was performed on sample 0010266-02B. All %R's were within the laboratory control limits (40-140%) with the following exception:
 - 1.1 Pyrene and Chrysene recovered above the control limits at 214% and 147% respectively due possibly to non-homogeneity of the sample.
2. The batch Duplicate (DUP) was performed on sample 0010266-03B. All %RPD's were with in the laboratory control limit (50%) with the exception of Phenanthrene at 55.6% possibly due to non-homogeneity between the sample and sample duplicate.
3. No other QC deviations were observed.

GC/ECD-PCB
SOIL

1. Samples 00291-SS1 (00010268-01A), 00291-SS5 (00010268-05A), 00291-SS8 (00010268-07A), 00291-SS7 (00010268-09A), and 00291-SS9 (00010268-10A) had estimated concentrations due to the presence of overlapping Aroclors.
2. Sample 00291-SS3 (0010268-03A) had a recovery for the surrogate Tetrachloro-m-xylene at 34.9% outside the laboratory control limits (43-117%).
3. Sample 00291-SS6 (0010268-06A) had recoveries for the surrogates Tetrachloro-m-xylene at 38.6% outside the laboratory control limits (43-117%) and Decachlorobiphenyl at 316% outside the laboratory control limits (36-130%).

4. The batch Matrix Spike (MS) and Matrix Spike Duplicate (MSD) were performed on sample 00291-SS5 (0010268-05A). All %R's and %RPD's were within laboratory control limits with the following exception:
 - 4.1 The Aroclor 1260 recovered below the control limits (39-120%) in the MS and MSD at 33.3% and 12.9% respectively possibly due to high concentration of Aroclor 1260 in the sample relative to spike concentration.
5. No other QC deviations were observed.

Volatile Petroleum Hydrocarbons (VPH)
Massachusetts Department of Environmental Protection (MADEP)
Method 1.0 - January 1998
AMRO Modifications

This modification is based on the use of a purge and trap gas chromatography mass spectrometer (GCMS) system to analyze samples for VPH. The hydrocarbon ranges are quantified using predominant mass fragmentation ions which are characteristic for the range being measured. This approach eliminates potential false positives for the target analytes while providing accurate hydrocarbon range data.

The chromatographic column is an HP-624 capillary column which has been validated by GCMS analysis of a gasoline standard to correctly identify the marker compounds and elution order of specific gasoline components. Batch quality control includes, at a minimum, method blank, laboratory control sample, and duplicate analysis. A matrix spike and/or matrix spike duplicate is analyzed if sufficient sample is submitted to the laboratory.

The Reporting Limit (RL) of this method for each of the collective aliphatic and aromatic ranges is approximately 0.6-2.8 mg/Kg in soil and 25-110 µg/L in water. The RL of this method for the target analytes ranges from approximately 0.05-0.13 mg/Kg in soil and 2.0-5.0 µg/L for water samples.

Extractable Petroleum Hydrocarbons (EPH)
Massachusetts Department of Environmental Protection (MADEP)
Method 1.0 - January 1998
AMRO Modifications

This modification is based on a solvent extraction and gas chromatography mass spectrometer (GCMS) analysis. The hydrocarbon ranges are quantified using predominant mass fragmentation ions which are characteristic for the range being measured. This approach eliminates the silica gel solid-phase fractionation step. False positives for targeted PAH analytes are eliminated by using GCMS as the primary analysis technique.

The chromatographic column is a J&W Scientific DB-5ms capillary column. Internal standard calibration is performed using 5 α -Androstane at a concentration of 40 ng/µL. o-Terphenyl and 1-Chlorooctadecane are added as surrogate compounds at 20 ng/µL in the sample extract. These two surrogates monitor the effects of the sample matrix and extraction efficiency. Two additional surrogates, 2-Fluorobiphenyl and 2-Bromonaphthalene, are added to the finished extract prior to analysis to monitor instrument performance. Batch quality control includes, at a minimum, a procedure blank, laboratory control sample and duplicate sample analysis. A matrix spike is analyzed if sufficient sample is submitted to the laboratory.

The Reporting Limit (RL) of this method for each of the collective aliphatic and aromatic ranges is approximately 2-15 mg/Kg in soil and 10-50 µg/L in water. The RL of this method for the Target PAH analytes ranges from approximately 0.25 to 0.5 mg/Kg in soil, 1.0 µg/L for water when operating the GCMS in full scan mode, and 0.1 to 1.0 µg/L when operating the GCMS in SIM mode. For sites requiring the lowest levels cited in the Massachusetts Contingency Plan for water, GCMS in the Selected Ion Monitoring (SIM) mode is used.

**EXTRACTABLE PETROLEUM HYDROCARBONS (EPH)
SOIL**

**SAMPLE
RESULT**

AMRO Environmental Laboratories Corp.

Date: 06-Nov-00

CLIENT: GEI Consultants, Inc.
Lab Order: 0010268
Project: 00291 Canton
Lab ID: 0010268-10A

Client Sample ID: 00291-SS9
Tag Number:
Collection Date: 10/25/00
Matrix: SOIL

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|--------|--------------|------|-----------|----|-----------------------------------|
| EXTRACTABLE PETROLEUM HYDROCARBONS MAEPH | | | | | | |
| C9-C18 Aliphatic Hydrocarbons | ND | 130 | | mg/Kg-dry | 1 | Analyst: GG 11/1/00 4:54:00 PM |
| C19-C36 Aliphatic Hydrocarbons | ND | 130 | | mg/Kg-dry | 1 | 11/1/00 4:54:00 PM |
| C11-C22 Aromatic Hydrocarbons | ND | 130 | | mg/Kg-dry | 1 | 11/1/00 4:54:00 PM |
| Naphthalene | ND | 0.66 | | mg/Kg-dry | 1 | 11/1/00 4:54:00 PM |
| 2-Methylnaphthalene | ND | 0.66 | | mg/Kg-dry | 1 | 11/1/00 4:54:00 PM |
| Acenaphthylene | ND | 0.66 | | mg/Kg-dry | 1 | 11/1/00 4:54:00 PM |
| Acenaphthene | ND | 0.66 | | mg/Kg-dry | 1 | 11/1/00 4:54:00 PM |
| Fluorene | ND | 0.66 | | mg/Kg-dry | 1 | 11/1/00 4:54:00 PM |
| Phenanthrene | ND | 0.66 | | mg/Kg-dry | 1 | 11/1/00 4:54:00 PM |
| Anthracene | ND | 0.66 | | mg/Kg-dry | 1 | 11/1/00 4:54:00 PM |
| Fluoranthene | ND | 0.66 | | mg/Kg-dry | 1 | 11/1/00 4:54:00 PM |
| Pyrene | ND | 0.66 | | mg/Kg-dry | 1 | 11/1/00 4:54:00 PM |
| Benz(a)anthracene | ND | 0.66 | | mg/Kg-dry | 1 | 11/1/00 4:54:00 PM |
| Chrysene | ND | 0.66 | | mg/Kg-dry | 1 | 11/1/00 4:54:00 PM |
| Benzo(b)fluoranthene | ND | 0.66 | | mg/Kg-dry | 1 | 11/1/00 4:54:00 PM |
| Benzo(k)fluoranthene | ND | 0.66 | | mg/Kg-dry | 1 | 11/1/00 4:54:00 PM |
| Benzo(a)pyrene | ND | 0.66 | | mg/Kg-dry | 1 | 11/1/00 4:54:00 PM |
| Dibenz(a,h)anthracene | ND | 0.66 | | mg/Kg-dry | 1 | 11/1/00 4:54:00 PM |
| Indeno(1,2,3-cd)pyrene | ND | 0.66 | | mg/Kg-dry | 1 | 11/1/00 4:54:00 PM |
| Benzo(g,h,i)perylene | ND | 0.66 | | mg/Kg-dry | 1 | 11/1/00 4:54:00 PM |
| Surr: 1-Chlorooctadecane | 61.3 | 40-140 | | %REC | 1 | 11/1/00 4:54:00 PM |
| Surr: 2-Bromonaphthalene | 104 | 40-140 | | %REC | 1 | 11/1/00 4:54:00 PM |
| Surr: 2-Fluorobiphenyl | 103 | 40-140 | | %REC | 1 | 11/1/00 4:54:00 PM |
| Surr: o-Terphenyl | 61.1 | 40-140 | | %REC | 1 | 11/1/00 4:54:00 PM |
| PERCENT MOISTURE | | D2216 | | | | Analyst: SL |
| Percent Moisture | 63.0 | 0 | | wt% | 1 | 10/26/00 |

Hydrocarbon range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range. EPH: C11-C22
 Aromatic Hydrocarbons exclude the concentration of target PAH analytes. VPH: C5-C8 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range. C9-C12 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range and concentration of C9-C10 Aromatic Hydrocarbons.

CERTIFICATION

We're all QA/QC procedures required by the VPH or EPH method followed: ☒ Yes ☐ No - If No, See Case Narrative
 We're all performance/acceptance standards for required QA/QC procedures achieved: ☐ Yes ☒ No - If No, See Case Narrative
 We're any significant modifications made to the method as specified in section 11.3: ☐ No ☒ Yes - Details enclosed
I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE:  DATE: 11-7-00
 PRINTED NAME: Nancy Stewart POSITION: Laboratory Director (or designee)

Qualifiers: RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.
 ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits E - Value above quantitation range
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits # - See Case Narrative
 B - Analyte detected in the associated Method Blank

AMRO Environmental Laboratories Corp.

Date: 06-Nov-00

CLIENT: GEI Consultants, Inc.
Lab Order: 0010268
Project: 00291 Canton
Lab ID: 0010268-09A

Client Sample ID: 00291-SS7
Tag Number:
Collection Date: 10/25/00
Matrix: SOIL

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|--------------|----------|------|------------|----------|------------------------------------|
| EXTRACTABLE PETROLEUM HYDROCARBONS MAEPH | | | | | | |
| C9-C18 Aliphatic Hydrocarbons | ND | 140 | | mg/Kg-dry | 1 | Analyst: GG 10/31/00 9:27:00 AM |
| C19-C36 Aliphatic Hydrocarbons | ND | 140 | | mg/Kg-dry | 1 | 10/31/00 9:27:00 AM |
| C11-C22 Aromatic Hydrocarbons | ND | 140 | | mg/Kg-dry | 1 | 10/31/00 9:27:00 AM |
| Naphthalene | ND | 0.71 | | mg/Kg-dry | 1 | 10/31/00 9:27:00 AM |
| 2-Methylnaphthalene | ND | 0.71 | | mg/Kg-dry | 1 | 10/31/00 9:27:00 AM |
| Acenaphthylene | ND | 0.71 | | mg/Kg-dry | 1 | 10/31/00 9:27:00 AM |
| Acenaphthene | ND | 0.71 | | mg/Kg-dry | 1 | 10/31/00 9:27:00 AM |
| Fluorene | ND | 0.71 | | mg/Kg-dry | 1 | 10/31/00 9:27:00 AM |
| Phenanthrene | ND | 0.71 | | mg/Kg-dry | 1 | 10/31/00 9:27:00 AM |
| Anthracene | ND | 0.71 | | mg/Kg-dry | 1 | 10/31/00 9:27:00 AM |
| Fluoranthene | ND | 0.71 | | mg/Kg-dry | 1 | 10/31/00 9:27:00 AM |
| Pyrene | ND | 0.71 | | mg/Kg-dry | 1 | 10/31/00 9:27:00 AM |
| Benz(a)anthracene | ND | 0.71 | | mg/Kg-dry | 1 | 10/31/00 9:27:00 AM |
| Chrysene | ND | 0.71 | | mg/Kg-dry | 1 | 10/31/00 9:27:00 AM |
| Benz(b)fluoranthene | ND | 0.71 | | mg/Kg-dry | 1 | 10/31/00 9:27:00 AM |
| Benz(k)fluoranthene | ND | 0.71 | | mg/Kg-dry | 1 | 10/31/00 9:27:00 AM |
| Benz(a)pyrene | ND | 0.71 | | mg/Kg-dry | 1 | 10/31/00 9:27:00 AM |
| Dibenz(a,h)anthracene | ND | 0.71 | | mg/Kg-dry | 1 | 10/31/00 9:27:00 AM |
| Indeno(1,2,3-cd)pyrene | ND | 0.71 | | mg/Kg-dry | 1 | 10/31/00 9:27:00 AM |
| Benzo(g,h,i)perylene | ND | 0.71 | | mg/Kg-dry | 1 | 10/31/00 9:27:00 AM |
| Surr: 1-Chlorooctadecane | 67.5 | 40-140 | | %REC | 1 | 10/31/00 9:27:00 AM |
| Surr: 2-Bromonaphthalene | 111 | 40-140 | | %REC | 1 | 10/31/00 9:27:00 AM |
| Surr: 2-Fluorobiphenyl | 104 | 40-140 | | %REC | 1 | 10/31/00 9:27:00 AM |
| Surr: o-Terphenyl | 50.3 | 40-140 | | %REC | 1 | 10/31/00 9:27:00 AM |
| PERCENT MOISTURE | D2216 | 0 | | wt% | 1 | Analyst: SL 10/26/00 |
| Percent Moisture | 64.9 | | | | | |

Hydrocarbon range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range. EPH: C11-C22
Aromatic Hydrocarbons exclude the concentration of target PAH analytes. VPH: C5-C8 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range and concentration of C9-C10 Aromatic Hydrocarbons.

CERTIFICATION

We're all QA/QC procedures required by the VPH or EPH method followed:

We're all performance/acceptance standards for required QA/QC procedures achieved: ☒ Yes ☐ No - If No, See Case Narrative
We're any significant modifications made to the method as specified in section 11.3: ☐ Yes ☒ No ☒ Details enclosed

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE: Nancy Stewart DATE: 11-7-00
PRINTED NAME: Nancy Stewart POSITION: Laboratory Director (or designee)

Qualifiers: RL - Reporting Limit, defined as the lowest concentration the laboratory can accurately quantitate.

ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits E - Value above quantitation range

J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits # - See Case Narrative

B - Analyte detected in the associated Method Blank

METHOD BLANK

AMRO Environmental Laboratories Corp.

Date: 08-Nov-00

CLIENT: GEI Consultants, Inc.

Work Order: 0010268

Project: 00291 Canton

QC SUMMARY REPORT

Method Blank

| | | | | | | | | | | | | |
|--------------------------------|-----------|----------------------|------------------|-----------------|---------------|----------------------|-----------|-----------------|--------------|------|----------|-----|
| Sample ID | MB-3024 | Batch ID: 3024 | Test Code: MAEPH | Units: mg/Kg | Analysis Date | 10/30/00 10:17:00 PM | Prep Date | 10/27/00 | | | | |
| Client ID: | | Run ID: SV-2_001030A | SeqNo: 85100 | | | | | | | | | |
| | QC Sample | | QC Spike | Original Sample | | | | Original Sample | | | | |
| Analyte | Result | RL | Units | Amount | Result | %REC | LowLimit | HighLimit | or MS Result | %RPD | RPDLimit | Qua |
| C9-C18 Aliphatic Hydrocarbons | ND | 50 | mg/Kg | | | | | | | | | |
| C19-C36 Aliphatic Hydrocarbons | ND | 50 | mg/Kg | | | | | | | | | |
| C11-C22 Aromatic Hydrocarbons | ND | 50 | mg/Kg | | | | | | | | | |
| Naphthalene | ND | 0.25 | mg/Kg | | | | | | | | | |
| 2-Methylnaphthalene | ND | 0.25 | mg/Kg | | | | | | | | | |
| Acenaphthylene | ND | 0.25 | mg/Kg | | | | | | | | | |
| Acenaphthene | ND | 0.25 | mg/Kg | | | | | | | | | |
| Fluorene | ND | 0.25 | mg/Kg | | | | | | | | | |
| Phenanthrene | ND | 0.25 | mg/Kg | | | | | | | | | |
| Anthracene | ND | 0.25 | mg/Kg | | | | | | | | | |
| Fluoranthene | ND | 0.25 | mg/Kg | | | | | | | | | |
| Pyrene | ND | 0.25 | mg/Kg | | | | | | | | | |
| Benz(a)anthracene | ND | 0.25 | mg/Kg | | | | | | | | | |
| Chrysene | ND | 0.25 | mg/Kg | | | | | | | | | |
| Benzo(b)fluoranthene | ND | 0.25 | mg/Kg | | | | | | | | | |
| Benzo(k)fluoranthene | ND | 0.25 | mg/Kg | | | | | | | | | |
| Benzo(a)pyrene | ND | 0.25 | mg/Kg | | | | | | | | | |
| Dibenz(a,h)anthracene | ND | 0.25 | mg/Kg | | | | | | | | | |
| Indeno(1,2,3-cd)pyrene | ND | 0.25 | mg/Kg | | | | | | | | | |
| Benzo(g,h,i)perylene | ND | 0.25 | mg/Kg | | | | | | | | | |
| Surr: 1-Chlorooctadecane | 1.131 | 0.25 | mg/Kg | 1 | 0 | 113 | 40 | 140 | 0 | | | |
| Surr: 2-Bromonaphthalene | 5.52 | 0.25 | mg/Kg | 5 | 0 | 110 | 40 | 140 | 0 | | | |
| Surr: 2-Fluorobiphenyl | 5.361 | 0.25 | mg/Kg | 5 | 0 | 107 | 40 | 140 | 0 | | | |
| Surr: o-Terphenyl | 0.9738 | 0.25 | mg/Kg | 1 | 0 | 97.4 | 40 | 140 | 0 | | | |

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

MATRIX SPIKE

AMRO Environmental Laboratories Corp.

Date: 08-Nov-00

CLIENT: GEI Consultants, Inc.

Work Order: 0010268

Project: 00291 Canton

QC SUMMARY REPORT

Sample Matrix Spike

| | | | | | | | | | | | | |
|--------------------------|---------------|-----------|--------------|------------|-----------------|--------|-----------|---------------|---------------------|-----------|----------|-----|
| Sample ID | 0010266-02BMS | Batch ID: | 3024 | Test Code: | MAEPH | Units: | mg/Kg-dry | Analysis Date | 10/31/00 6:30:00 AM | Prep Date | 10/27/00 | |
| Client ID: | | Run ID: | SV-2_001030A | SeqNo: | 85142 | | | | | | | |
| | QC Sample | | | QC Spike | Original Sample | | | | Original Sample | | | |
| Analyte | Result | RL | Units | Amount | Result | %REC | LowLimit | HighLimit | or MS Result | %RPD | RPDLimit | Qua |
| n-Eicosane | 1.714 | 0.29 | mg/Kg-dry | 1.463 | 0 | 117 | 40 | 140 | 0 | | | |
| n-Nonadecane | 1.6 | 0.29 | mg/Kg-dry | 1.463 | 0 | 109 | 40 | 140 | 0 | | | |
| n-Nonane | 1.328 | 0.29 | mg/Kg-dry | 1.463 | 0 | 90.8 | 40 | 140 | 0 | | | |
| n-Octacosane | 1.571 | 0.29 | mg/Kg-dry | 1.463 | 0 | 107 | 40 | 140 | 0 | | | |
| n-Tetradecane | 1.919 | 0.29 | mg/Kg-dry | 1.463 | 0 | 131 | 40 | 140 | 0 | | | |
| Naphthalene | 2.608 | 0.29 | mg/Kg-dry | 1.463 | 0.7856 | 125 | 40 | 140 | 0 | | | |
| Acenaphthene | 1.729 | 0.29 | mg/Kg-dry | 1.463 | 0 | 118 | 40 | 140 | 0 | | | |
| Anthracene | 2.308 | 0.29 | mg/Kg-dry | 1.463 | 0.4214 | 129 | 40 | 140 | 0 | | | |
| Pyrene | 5.472 | 0.29 | mg/Kg-dry | 1.463 | 2.341 | 214 | 40 | 140 | 0 | | | S |
| Chrysene | 3.401 | 0.29 | mg/Kg-dry | 1.463 | 1.257 | 147 | 40 | 140 | 0 | | | S |
| Surr: 1-Chlorooctadecane | 1.368 | 0.29 | mg/Kg-dry | 1.17 | 0 | 117 | 40 | 140 | 0 | | | |
| Surr: 2-Bromonaphthalene | 6.954 | 0.29 | mg/Kg-dry | 5.851 | 0 | 119 | 40 | 140 | 0 | | | |
| Surr: 2-Fluorobiphenyl | 6.648 | 0.29 | mg/Kg-dry | 5.851 | 0 | 114 | 40 | 140 | 0 | | | |
| Surr: o-Terphenyl | 1.028 | 0.29 | mg/Kg-dry | 1.17 | 0 | 87.9 | 40 | 140 | 0 | | | |

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

SAMPLE AND SAMPLe DUPLICATE

AMRO Environmental Laboratories Corp.

Date: 08-Nov-00

CLIENT: GEI Consultants, Inc.

Work Order: 0010268

Project: 00291 Canton

QC SUMMARY REPORT

Sample Duplicate

| | | | | | | | | | | | | |
|--------------------------------|----------------|-----------|--------------|------------|-----------------|--------|-----------|---------------|---------------------|-----------|----------|-----|
| Sample ID | 0010266-03BDUP | Batch ID: | 3024 | Test Code: | MAEPH | Units: | mg/Kg-dry | Analysis Date | 10/31/00 7:41:00 AM | Prep Date | 10/27/00 | |
| Client ID: | | Run ID: | SV-2_001030A | SeqNo: | 85144 | | | | | | | |
| | QC Sample | | | QC Spike | Original Sample | | | | Original Sample | | | |
| Analyte | Result | RL | Units | Amount | Result | %REC | LowLimit | HighLimit | or MS Result | %RPD | RPDLimit | Qua |
| C9-C18 Aliphatic Hydrocarbons | ND | 55 | mg/Kg-dry | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50 | |
| C19-C36 Aliphatic Hydrocarbons | 66.09 | 55 | mg/Kg-dry | 0 | 0 | 0 | 0 | 0 | 72.84 | 9.71 | 50 | |
| C11-C22 Aromatic Hydrocarbons | ND | 55 | mg/Kg-dry | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50 | |
| Naphthalene | ND | 0.27 | mg/Kg-dry | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50 | |
| 2-Methylnaphthalene | ND | 0.27 | mg/Kg-dry | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50 | |
| Acenaphthylene | ND | 0.27 | mg/Kg-dry | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50 | |
| Acenaphthene | ND | 0.27 | mg/Kg-dry | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50 | |
| Fluorene | ND | 0.27 | mg/Kg-dry | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50 | |
| Phenanthrene | 1.026 | 0.27 | mg/Kg-dry | 0 | 0 | 0 | 0 | 0 | 1.815 | 55.6 | 50 | R |
| Anthracene | ND | 0.27 | mg/Kg-dry | 0 | 0 | 0 | 0 | 0 | 0.4092 | 0 | 50 | |
| Fluoranthene | 1.773 | 0.27 | mg/Kg-dry | 0 | 0 | 0 | 0 | 0 | 2.765 | 43.7 | 50 | |
| Pyrene | 1.635 | 0.27 | mg/Kg-dry | 0 | 0 | 0 | 0 | 0 | 2.43 | 39.1 | 50 | |
| Benz(a)anthracene | 0.864 | 0.27 | mg/Kg-dry | 0 | 0 | 0 | 0 | 0 | 1.236 | 35.4 | 50 | |
| Chrysene | 0.9299 | 0.27 | mg/Kg-dry | 0 | 0 | 0 | 0 | 0 | 1.366 | 38 | 50 | |
| Benzo(b)fluoranthene | 1.23 | 0.27 | mg/Kg-dry | 0 | 0 | 0 | 0 | 0 | 1.619 | 27.3 | 50 | |
| Benzo(k)fluoranthene | 0.4306 | 0.27 | mg/Kg-dry | 0 | 0 | 0 | 0 | 0 | 0.64 | 39.1 | 50 | |
| Benzo(a)pyrene | 0.9175 | 0.27 | mg/Kg-dry | 0 | 0 | 0 | 0 | 0 | 1.268 | 32 | 50 | |
| Dibenz(a,h)anthracene | ND | 0.27 | mg/Kg-dry | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50 | |
| Indeno(1,2,3-cd)pyrene | 0.4649 | 0.27 | mg/Kg-dry | 0 | 0 | 0 | 0 | 0 | 0.6013 | 25.6 | 50 | |
| Benzo(g,h,i)perylene | 0.3826 | 0.27 | mg/Kg-dry | 0 | 0 | 0 | 0 | 0 | 0.4575 | 17.8 | 50 | |
| Surr: 1-Chlorooctadecane | 1.199 | 0.27 | mg/Kg-dry | 1.097 | 0 | 109 | 40 | 140 | 0 | 0 | 0 | |
| Surr: 2-Bromonaphthalene | 5.908 | 0.27 | mg/Kg-dry | 5.486 | 0 | 108 | 40 | 140 | 0 | 0 | 0 | |
| Surr: 2-Fluorobiphenyl | 5.65 | 0.27 | mg/Kg-dry | 5.486 | 0 | 103 | 40 | 140 | 0 | 0 | 0 | |
| Surr: o-Terphenyl | 0.8599 | 0.27 | mg/Kg-dry | 1.097 | 0 | 78.4 | 40 | 140 | 0 | 0 | 0 | |

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

LABORATORY CONTROL SAMPLE

CLIENT: GEI Consultants, Inc.

Work Order: 0010268

Project: 00291 Canton

QC SUMMARY REPORT

Laboratory Control Spike

| | | | | | | | | | | | | |
|--------------------------|-----------|-----------|--------------|------------|-----------------|--------|----------|---------------|----------------------|-----------|----------|-----|
| Sample ID | LCS-3024 | Batch ID: | 3024 | Test Code: | MAEPH | Units: | mg/Kg | Analysis Date | 10/30/00 10:52:00 PM | Prep Date | 10/27/00 | |
| Client ID: | | Run ID: | SV-2_001030A | SeqNo: | 85101 | | | | | | | |
| | QC Sample | | | QC Spike | Original Sample | | | | Original Sample | | | |
| Analyte | Result | RL | Units | Amount | Result | %REC | LowLimit | HighLimit | or MS Result | %RPD | RPDLimit | Qua |
| n-Eicosane | 1.42 | 0.25 | mg/Kg | 1.25 | 0 | 114 | 40 | 140 | 0 | | | |
| n-Nonadecane | 1.359 | 0.25 | mg/Kg | 1.25 | 0 | 109 | 40 | 140 | 0 | | | |
| n-Nonane | 1.132 | 0.25 | mg/Kg | 1.25 | 0 | 90.6 | 40 | 140 | 0 | | | |
| n-Octacosane | 1.371 | 0.25 | mg/Kg | 1.25 | 0 | 110 | 40 | 140 | 0 | | | |
| n-Tetradecane | 1.479 | 0.25 | mg/Kg | 1.25 | 0 | 118 | 40 | 140 | 0 | | | |
| Naphthalene | 1.246 | 0.25 | mg/Kg | 1.25 | 0 | 99.7 | 40 | 140 | 0 | | | |
| Acenaphthene | 1.148 | 0.25 | mg/Kg | 1.25 | 0 | 91.8 | 40 | 140 | 0 | | | |
| Anthracene | 1.146 | 0.25 | mg/Kg | 1.25 | 0 | 91.7 | 40 | 140 | 0 | | | |
| Pyrene | 1.096 | 0.25 | mg/Kg | 1.25 | 0 | 87.7 | 40 | 140 | 0 | | | |
| Chrysene | 1.052 | 0.25 | mg/Kg | 1.25 | 0 | 84.2 | 40 | 140 | 0 | | | |
| Surr: 1-Chlorooctadecane | 1.186 | 0.25 | mg/Kg | 1 | 0 | 119 | 40 | 140 | 0 | | | |
| Surr: 2-Bromonaphthalene | 5.504 | 0.25 | mg/Kg | 5 | 0 | 110 | 40 | 140 | 0 | | | |
| Surr: 2-Fluorobiphenyl | 5.245 | 0.25 | mg/Kg | 5 | 0 | 105 | 40 | 140 | 0 | | | |
| Surr: o-Terphenyl | 0.8988 | 0.25 | mg/Kg | 1 | 0 | 89.9 | 40 | 140 | 0 | | | |

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

PCB-SOIL

SW-846 METHOD 8082

**SAMPLE
RESULT**

AMRO Environmental Laboratories Corp.

Date: 06-Nov-00

| | | |
|------------|-----------------------|-----------------------------|
| CLIENT: | GEI Consultants, Inc. | Client Sample ID: 00291-SS1 |
| Lab Order: | 0010268 | |
| Project: | 00291 Canton | Collection Date: 10/25/00 |
| Lab ID: | 0010268-01A | Matrix: SOIL |

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------------------------|--------|--------|------|--------------|----|---------------------|
| PCBS BY EPA8082 | | | | | | |
| | | SW8082 | | Analyst: RAP | | |
| Aroclor 1016 | ND | 27 | | µg/Kg-dry | 1 | 10/31/00 9:22:00 PM |
| Aroclor 1221 | ND | 27 | | µg/Kg-dry | 1 | 10/31/00 9:22:00 PM |
| Aroclor 1232 | ND | 27 | | µg/Kg-dry | 1 | 10/31/00 9:22:00 PM |
| Aroclor 1242 | ND | 27 | | µg/Kg-dry | 1 | 10/31/00 9:22:00 PM |
| Aroclor 1248 | ND | 27 | | µg/Kg-dry | 1 | 10/31/00 9:22:00 PM |
| Aroclor 1254 | 340 | 27 | # | µg/Kg-dry | 1 | 10/31/00 9:22:00 PM |
| Aroclor 1260 | 280 | 27 | # | µg/Kg-dry | 1 | 10/31/00 9:22:00 PM |
| Surf: Tetrachloro-m-xylene | 81.4 | 43-117 | | %REC | 1 | 10/31/00 9:22:00 PM |
| Surf: Decachlorobiphenyl | 74.3 | 36-130 | | %REC | 1 | 10/31/00 9:22:00 PM |

| | | |
|-------------|---|---|
| Qualifiers: | ND - Not Detected at the Reporting Limit | S - Spike Recovery outside accepted recovery limits |
| | J - Analyte detected below quantitation limits | R - RPD outside accepted recovery limits |
| | B - Analyte detected in the associated Method Blank | E - Value above quantitation range |
| | * - Value exceeds Maximum Contaminant Level | # - See Case Narrative |
| | RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate. | |

AMRO Environmental Laboratories Corp.

Date: 06-Nov-00

CLIENT: GEI Consultants, Inc. Client Sample ID: 00291-SS2

Lab Order: 0010268

Project: 00291 Canton Collection Date: 10/25/00

Lab ID: 0010268-02A Matrix: SOIL

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------------------------|--------|--------|------|-----------|----|---------------------|
| PCBS BY EPA8082 | | | | | | |
| SW8082 | | | | | | |
| Analyst: RAP | | | | | | |
| Aroclor 1016 | ND | 27 | | µg/Kg-dry | 1 | 10/31/00 9:49:00 PM |
| Aroclor 1221 | ND | 27 | | µg/Kg-dry | 1 | 10/31/00 9:49:00 PM |
| Aroclor 1232 | ND | 27 | | µg/Kg-dry | 1 | 10/31/00 9:49:00 PM |
| Aroclor 1242 | ND | 27 | | µg/Kg-dry | 1 | 10/31/00 9:49:00 PM |
| Aroclor 1248 | ND | 27 | | µg/Kg-dry | 1 | 10/31/00 9:49:00 PM |
| Aroclor 1254 | ND | 27 | | µg/Kg-dry | 1 | 10/31/00 9:49:00 PM |
| Aroclor 1260 | 810 | 27 | | µg/Kg-dry | 1 | 10/31/00 9:49:00 PM |
| Surr: Tetrachloro-m-xylene | 50.5 | 43-117 | | %REC | 1 | 10/31/00 9:49:00 PM |
| Surr: Decachlorobiphenyl | 56.1 | 36-130 | | %REC | 1 | 10/31/00 9:49:00 PM |

Qualifiers:

ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level

- See Case Narrative

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

AMRO Environmental Laboratories Corp.

Date: 06-Nov-00

| | | | |
|------------|-----------------------|-------------------|-----------|
| CLIENT: | GEI Consultants, Inc. | Client Sample ID: | 00291-SS3 |
| Lab Order: | 0010268 | Collection Date: | 10/25/00 |
| Project: | 00291 Canton | Matrix: | SOIL |
| Lab ID: | 0010268-03A | | |

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------------------------|--------|--------|------|-----------|----|--------------------------------------|
| PCBS BY EPA8082 | | | | | | |
| SW8082 | | | | | | |
| Aroclor 1016 | ND | 31 | | µg/Kg-dry | 1 | Analyst: RAP 10/31/00 10:15:00 PM |
| Aroclor 1221 | ND | 31 | | µg/Kg-dry | 1 | 10/31/00 10:15:00 PM |
| Aroclor 1232 | ND | 31 | | µg/Kg-dry | 1 | 10/31/00 10:15:00 PM |
| Aroclor 1242 | ND | 31 | | µg/Kg-dry | 1 | 10/31/00 10:15:00 PM |
| Aroclor 1248 | ND | 31 | | µg/Kg-dry | 1 | 10/31/00 10:15:00 PM |
| Aroclor 1254 | ND | 31 | | µg/Kg-dry | 1 | 10/31/00 10:15:00 PM |
| Aroclor 1260 | 5,000 | 150 | | µg/Kg-dry | 5 | 11/1/00 9:05:00 PM |
| Surf: Tetrachloro-m-xylene | 34.9 | 43-117 | S | %REC | 1 | 10/31/00 10:15:00 PM |
| Surf: Decachlorobiphenyl | 45.2 | 36-130 | | %REC | 1 | 10/31/00 10:15:00 PM |

| | | |
|-------------|---|---|
| Qualifiers: | ND - Not Detected at the Reporting Limit | S - Spike Recovery outside accepted recovery limits |
| | J - Analyte detected below quantitation limits | R - RPD outside accepted recovery limits |
| | B - Analyte detected in the associated Method Blank | E - Value above quantitation range |
| | * - Value exceeds Maximum Contaminant Level | # - See Case Narrative |
| | RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate. | |

AMRO Environmental Laboratories Corp.

Date: 06-Nov-00

CLIENT: GEI Consultants, Inc. Client Sample ID: 00291-SS4

Lab Order: 0010268

Project: 00291 Canton Collection Date: 10/25/00

Lab ID: 0010268-04A Matrix: SOIL

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------------------------|--------|--------|------|-----------|----|--------------------------------------|
| PCBS BY EPA8082 | | | | | | |
| SW8082 | | | | | | |
| Aroclor 1016 | ND | 28 | | µg/Kg-dry | 1 | Analyst: RAP 10/31/00 10:42:00 PM |
| Aroclor 1221 | ND | 28 | | µg/Kg-dry | 1 | 10/31/00 10:42:00 PM |
| Aroclor 1232 | ND | 28 | | µg/Kg-dry | 1 | 10/31/00 10:42:00 PM |
| Aroclor 1242 | ND | 28 | | µg/Kg-dry | 1 | 10/31/00 10:42:00 PM |
| Aroclor 1248 | ND | 28 | | µg/Kg-dry | 1 | 10/31/00 10:42:00 PM |
| Aroclor 1254 | ND | 28 | | µg/Kg-dry | 1 | 10/31/00 10:42:00 PM |
| Aroclor 1260 | 2,900 | 140 | | µg/Kg-dry | 5 | 11/11/00 9:32:00 PM |
| Surr: Tetrachloro-m-xylene | 52.5 | 43-117 | | %REC | 1 | 10/31/00 10:42:00 PM |
| Surr: Decachlorobiphenyl | 76.9 | 36-130 | | %REC | 1 | 10/31/00 10:42:00 PM |

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level # - See Case Narrative

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

AMRO Environmental Laboratories Corp.

Date: 06-Nov-00

CLIENT: GEI Consultants, Inc. **Client Sample ID:** 00291-SS5
Lab Order: 0010268
Project: 00291 Canton **Collection Date:** 10/25/00
Lab ID: 0010268-05A **Matrix:** SOIL

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------------------------|--------|--------|------|-----------|----|--------------------------------------|
| PCBS BY EPA8082 | | | | | | |
| Aroclor 1016 | ND | 27 | | µg/Kg-dry | 1 | Analyst: RAP 10/31/00 11:08:00 PM |
| Aroclor 1221 | ND | 27 | | µg/Kg-dry | 1 | 10/31/00 11:08:00 PM |
| Aroclor 1232 | ND | 27 | | µg/Kg-dry | 1 | 10/31/00 11:08:00 PM |
| Aroclor 1242 | ND | 27 | | µg/Kg-dry | 1 | 10/31/00 11:08:00 PM |
| Aroclor 1248 | 3,600 | 140 | # | µg/Kg-dry | 5 | 11/1/00 9:59:00 PM |
| Aroclor 1254 | 2,100 | 140 | # | µg/Kg-dry | 5 | 11/1/00 9:59:00 PM |
| Aroclor 1260 | 730 | 27 | # | µg/Kg-dry | 1 | 10/31/00 11:08:00 PM |
| Surr: Tetrachloro-m-xylene | 62.7 | 43-117 | | %REC | 1 | 10/31/00 11:08:00 PM |
| Surr: Decachlorobiphenyl | 56.8 | 36-130 | | %REC | 1 | 10/31/00 11:08:00 PM |

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank E - Value above quantitation range
 * - Value exceeds Maximum Contaminant Level # - See Case Narrative
 RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

AMRO Environmental Laboratories Corp.

Date: 06-Nov-00

CLIENT: GEI Consultants, Inc. **Client Sample ID:** 00291-SS6
Lab Order: 0010268
Project: 00291 Canton **Collection Date:** 10/25/00
Lab ID: 0010268-06A **Matrix:** SOIL

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------------------------|--------|---------------|------|-----------|----|---------------------|
| PCBS BY EPA8082 | | | | | | |
| | | SW8082 | | | | Analyst: RAP |
| Aroclor 1016 | ND | 29 | | µg/Kg-dry | 1 | 11/1/00 12:28:00 AM |
| Aroclor 1221 | ND | 29 | | µg/Kg-dry | 1 | 11/1/00 12:28:00 AM |
| Aroclor 1232 | ND | 29 | | µg/Kg-dry | 1 | 11/1/00 12:28:00 AM |
| Aroclor 1242 | ND | 29 | | µg/Kg-dry | 1 | 11/1/00 12:28:00 AM |
| Aroclor 1248 | ND | 29 | | µg/Kg-dry | 1 | 11/1/00 12:28:00 AM |
| Aroclor 1254 | ND | 29 | | µg/Kg-dry | 1 | 11/1/00 12:28:00 AM |
| Aroclor 1260 | 150 | 29 | | µg/Kg-dry | 1 | 11/1/00 12:28:00 AM |
| Surr: Tetrachloro-m-xylene | 38.6 | 43-117 | S | %REC | 1 | 11/1/00 12:28:00 AM |
| Surr: Decachlorobiphenyl | 316 | 36-130 | S | %REC | 1 | 11/1/00 12:28:00 AM |

| Qualifiers: | ND - Not Detected at the Reporting Limit | S - Spike Recovery outside accepted recovery limits |
|-------------|---|---|
| | J - Analyte detected below quantitation limits | R - RPD outside accepted recovery limits |
| | B - Analyte detected in the associated Method Blank | E - Value above quantitation range |
| | * - Value exceeds Maximum Contaminant Level | # - See Case Narrative |
| | RL - Reporting Limit, defined as the lowest concentration the laboratory can accurately quantitate. | |

AMRO Environmental Laboratories Corp.

Date: 06-Nov-00

CLIENT: GEI Consultants, Inc. **Client Sample ID:** 00291-SS7
Lab Order: 0010268
Project: 00291 Canton **Collection Date:** 10/25/00
Lab ID: 0010268-09A **Matrix:** SOIL

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------------------------|--------|---------------|------|-----------|----|---------------------|
| PCBS BY EPA8082 | | | | | | |
| | | SW8082 | | | | Analyst: RAP |
| Aroclor 1016 | ND | 71 | | µg/Kg-dry | 1 | 11/1/00 1:48:00 AM |
| Aroclor 1221 | ND | 71 | | µg/Kg-dry | 1 | 11/1/00 1:48:00 AM |
| Aroclor 1232 | ND | 71 | | µg/Kg-dry | 1 | 11/1/00 1:48:00 AM |
| Aroclor 1242 | ND | 71 | | µg/Kg-dry | 1 | 11/1/00 1:48:00 AM |
| Aroclor 1248 | 7,100 | 350 | # | µg/Kg-dry | 5 | 11/1/00 11:18:00 PM |
| Aroclor 1254 | 2,000 | 71 | # | µg/Kg-dry | 1 | 11/1/00 1:48:00 AM |
| Aroclor 1260 | 940 | 71 | # | µg/Kg-dry | 1 | 11/1/00 1:48:00 AM |
| Surr: Tetrachloro-m-xylene | 64.7 | 43-117 | | %REC | 1 | 11/1/00 1:48:00 AM |
| Surr: Decachlorobiphenyl | 67.6 | 36-130 | | %REC | 1 | 11/1/00 1:48:00 AM |

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank E - Value above quantitation range
 * - Value exceeds Maximum Contaminant Level # - See Case Narrative
 RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

AMRO Environmental Laboratories Corp.

Date: 06-Nov-00

CLIENT: GEI Consultants, Inc. **Client Sample ID:** 00291-SS8
Lab Order: 0010268
Project: 00291 Canton **Collection Date:** 10/25/00
Lab ID: 0010268-07A **Matrix:** SOIL

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------------------------|--------|---------------|------|-----------|----|---------------------|
| PCBS BY EPA8082 | | | | | | |
| | | SW8082 | | | | Analyst: RAP |
| Aroclor 1016 | ND | 29 | | µg/Kg-dry | 1 | 11/1/00 12:55:00 AM |
| Aroclor 1221 | ND | 29 | | µg/Kg-dry | 1 | 11/1/00 12:55:00 AM |
| Aroclor 1232 | ND | 29 | | µg/Kg-dry | 1 | 11/1/00 12:55:00 AM |
| Aroclor 1242 | ND | 29 | | µg/Kg-dry | 1 | 11/1/00 12:55:00 AM |
| Aroclor 1248 | ND | 29 | | µg/Kg-dry | 1 | 11/1/00 12:55:00 AM |
| Aroclor 1254 | 380 | 29 | # | µg/Kg-dry | 1 | 11/1/00 12:55:00 AM |
| Aroclor 1260 | 420 | 29 | # | µg/Kg-dry | 1 | 11/1/00 12:55:00 AM |
| Surr: Tetrachloro-m-xylene | 71.4 | 43-117 | | %REC | 1 | 11/1/00 12:55:00 AM |
| Surr: Decachlorobiphenyl | 50.8 | 36-130 | | %REC | 1 | 11/1/00 12:55:00 AM |

Qualifiers: ND - Not Detected at the Reporting Limit **S - Spike Recovery outside accepted recovery limits**
 J - Analyte detected below quantitation limits **R - RPD outside accepted recovery limits**
 B - Analyte detected in the associated Method Blank **E - Value above quantitation range**
 * - Value exceeds Maximum Contaminant Level **# - See Case Narrative**
 RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

AMRO Environmental Laboratories Corp.

Date: 06-Nov-00

CLIENT: GEI Consultants, Inc. Client Sample ID: 00291-SS9

Lab Order: 0010268

Project: 00291 Canton Collection Date: 10/25/00

Lab ID: 0010268-10A Matrix: SOIL

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------------------------|--------|--------|------|-----------|----|------------------------------------|
| PCBS BY EPA8082 | | | | | | |
| SW8082 | | | | | | |
| Aroclor 1016 | ND | 67 | | µg/Kg-dry | 1 | Analyst: RAP 11/1/00 2:14:00 AM |
| Aroclor 1221 | ND | 67 | | µg/Kg-dry | 1 | 11/1/00 2:14:00 AM |
| Aroclor 1232 | ND | 67 | | µg/Kg-dry | 1 | 11/1/00 2:14:00 AM |
| Aroclor 1242 | ND | 67 | | µg/Kg-dry | 1 | 11/1/00 2:14:00 AM |
| Aroclor 1248 | ND | 67 | | µg/Kg-dry | 1 | 11/1/00 2:14:00 AM |
| Aroclor 1254 | 220 | 67 | # | µg/Kg-dry | 1 | 11/1/00 2:14:00 AM |
| Aroclor 1260 | 230 | 67 | # | µg/Kg-dry | 1 | 11/1/00 2:14:00 AM |
| Surf: Tetrachloro-m-xylene | 58.6 | 43-117 | | %REC | 1 | 11/1/00 2:14:00 AM |
| Surf: Decachlorobiphenyl | 88.7 | 36-130 | | %REC | 1 | 11/1/00 2:14:00 AM |

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level # - See Case Narrative

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

AMRO Environmental Laboratories Corp.

Date: 06-Nov-00

| | | | |
|------------|-----------------------|-------------------|------------|
| CLIENT: | GEI Consultants, Inc. | Client Sample ID: | 00291-SS10 |
| Lab Order: | 0010268 | Collection Date: | 10/25/00 |
| Project: | 00291 Canton | Matrix: | SOIL |
| Lab ID: | 0010268-08A | | |

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------------------------|--------|--------|------|-----------|----|------------------------------------|
| PCBS BY EPA8082 | | | | | | |
| SW8082 | | | | | | |
| Aroclor 1016 | ND | 28 | | µg/Kg-dry | 1 | Analyst: RAP 11/1/00 1:21:00 AM |
| Aroclor 1221 | ND | 28 | | µg/Kg-dry | 1 | 11/1/00 1:21:00 AM |
| Aroclor 1232 | ND | 28 | | µg/Kg-dry | 1 | 11/1/00 1:21:00 AM |
| Aroclor 1242 | ND | 28 | | µg/Kg-dry | 1 | 11/1/00 1:21:00 AM |
| Aroclor 1248 | ND | 28 | | µg/Kg-dry | 1 | 11/1/00 1:21:00 AM |
| Aroclor 1254 | ND | 28 | | µg/Kg-dry | 1 | 11/1/00 1:21:00 AM |
| Aroclor 1260 | 240 | 28 | | µg/Kg-dry | 1 | 11/1/00 1:21:00 AM |
| Surr: Tetrachloro-m-xylene | 57.9 | 43-117 | | %REC | 1 | 11/1/00 1:21:00 AM |
| Surr: Decachlorobiphenyl | 49.7 | 36-130 | | %REC | 1 | 11/1/00 1:21:00 AM |

| | | |
|-------------|---|---|
| Qualifiers: | ND - Not Detected at the Reporting Limit | S - Spike Recovery outside accepted recovery limits |
| | J - Analyte detected below quantitation limits | R - RPD outside accepted recovery limits |
| | B - Analyte detected in the associated Method Blank | E - Value above quantitation range |
| | * - Value exceeds Maximum Contaminant Level | # - See Case Narrative |
| | RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate. | |

AMRO Environmental Laboratories Corp.

Date: 06-Nov-00

| | | | |
|------------|-----------------------|-------------------|-----------|
| CLIENT: | GEI Consultants, Inc. | Client Sample ID: | 00291-SS1 |
| Lab Order: | 0010268 | | |
| Project: | 00291 Canton | Collection Date: | 10/25/00 |
| Lab ID: | 0010268-01A | Matrix: | SOIL |

| Analyses | Result | RL | Qual Units | DF | Date Analyzed |
|------------------|--------|----|------------|----|---------------|
| PERCENT MOISTURE | D2216 | 0 | wt% | 1 | Analyst: SL |
| Percent Moisture | 9.6 | | | | 10/26/00 |

| | | |
|-------------|---|---|
| Qualifiers: | ND - Not Detected at the Reporting Limit | S - Spike Recovery outside accepted recovery limits |
| | J - Analyte detected below quantitation limits | R - RPD outside accepted recovery limits |
| | B - Analyte detected in the associated Method Blank | E - Value above quantitation range |
| | * - Value exceeds Maximum Contaminant Level | # - See Case Narrative |
| | RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate. | |

AMRO Environmental Laboratories Corp.

Date: 06-Nov-00

| | | | |
|------------|-----------------------|-------------------|-----------|
| CLIENT: | GEI Consultants, Inc. | Client Sample ID: | 00291-SS2 |
| Lab Order: | 0010268 | | |
| Project: | 00291 Canton | Collection Date: | 10/25/00 |
| Lab ID: | 0010268-02A | Matrix: | SOIL |

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|------------------|--------|----|------|-------|----|-------------------------|
| PERCENT MOISTURE | D2216 | 0 | | wt% | 1 | Analyst: SL 10/26/00 |
| Percent Moisture | 8.8 | | | | | |

| | | |
|-------------|---|---|
| Qualifiers: | ND - Not Detected at the Reporting Limit | S - Spike Recovery outside accepted recovery limits |
| | J - Analyte detected below quantitation limits | R - RPD outside accepted recovery limits |
| | B - Analyte detected in the associated Method Blank | E - Value above quantitation range |
| | * - Value exceeds Maximum Contaminant Level | # - See Case Narrative |
| | RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate. | |

AMRO Environmental Laboratories Corp.

Date: 06-Nov-00

| | | | |
|-------------------|-----------------------|--------------------------|-----------|
| CLIENT: | GEI Consultants, Inc. | Client Sample ID: | 00291-SS3 |
| Lab Order: | 0010268 | | |
| Project: | 00291 Canton | Collection Date: | 10/25/00 |
| Lab ID: | 0010268-03A | Matrix: | SOIL |

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|-------------------------|--------|-------|------|-------|----|-------------------------|
| PERCENT MOISTURE | | | | | | |
| Percent Moisture | 19.6 | D2216 | 0 | wt% | 1 | Analyst: SL 10/26/00 |

| | | |
|--------------------|---|---|
| Qualifiers: | ND - Not Detected at the Reporting Limit | S - Spike Recovery outside accepted recovery limits |
| | J - Analyte detected below quantitation limits | R - RPD outside accepted recovery limits |
| | B - Analyte detected in the associated Method Blank | E - Value above quantitation range |
| | * - Value exceeds Maximum Contaminant Level | # - See Case Narrative |
| | RL - Reporting Limit, defined as the lowest concentration the laboratory can accurately quantitate. | |

AMRO Environmental Laboratories Corp.

Date: 06-Nov-00

| | | | |
|------------|-----------------------|-------------------|-----------|
| CLIENT: | GEI Consultants, Inc. | Client Sample ID: | 00291-SS4 |
| Lab Order: | 0010268 | | |
| Project: | 00291 Canton | Collection Date: | 10/25/00 |
| Lab ID: | 0010268-04A | Matrix: | SOIL |

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|------------------|--------|-------|------|-------|----|---------------|
| PERCENT MOISTURE | | D2216 | | | | Analyst: SL |
| Percent Moisture | 11.2 | 0 | | wt% | 1 | 10/26/00 |

| | | |
|-------------|---|---|
| Qualifiers: | ND - Not Detected at the Reporting Limit | S - Spike Recovery outside accepted recovery limits |
| | J - Analyte detected below quantitation limits | R - RPD outside accepted recovery limits |
| | B - Analyte detected in the associated Method Blank | E - Value above quantitation range |
| | * - Value exceeds Maximum Contaminant Level | # - See Case Narrative |
| | RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate. | |

AMRO Environmental Laboratories Corp.

Date: 06-Nov-00

| | | |
|------------|-----------------------|-----------------------------|
| CLIENT: | GEI Consultants, Inc. | Client Sample ID: 00291-SS5 |
| Lab Order: | 0010268 | |
| Project: | 00291 Canton | Collection Date: 10/25/00 |
| Lab ID: | 0010268-05A | Matrix: SOIL |

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|------------------|--------|-------|------|-------|----|---------------|
| PERCENT MOISTURE | | D2216 | | | | Analyst: SL |
| Percent Moisture | 10.7 | 0 | | wt% | 1 | 10/26/00 |

| | | |
|-------------|---|---|
| Qualifiers: | ND - Not Detected at the Reporting Limit | S - Spike Recovery outside accepted recovery limits |
| | J - Analyte detected below quantitation limits | R - RPD outside accepted recovery limits |
| | B - Analyte detected in the associated Method Blank | E - Value above quantitation range |
| | * - Value exceeds Maximum Contaminant Level | # - See Case Narrative |
| | RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate. | |

AMRO Environmental Laboratories Corp.

Date: 06-Nov-00

| | | | |
|-------------------|-----------------------|--------------------------|-----------|
| CLIENT: | GEI Consultants, Inc. | Client Sample ID: | 00291-SS6 |
| Lab Order: | 0010268 | | |
| Project: | 00291 Canton | Collection Date: | 10/25/00 |
| Lab ID: | 0010268-06A | Matrix: | SOIL |

| Analyses | Result | RL | Qual Units | DF | Date Analyzed |
|-------------------------|--------|--------------|------------|----|--------------------|
| PERCENT MOISTURE | | D2216 | | | Analyst: SL |
| Percent Moisture | 15.1 | 0 | wt% | 1 | 10/26/00 |

| | | |
|--------------------|---|---|
| Qualifiers: | ND - Not Detected at the Reporting Limit | S - Spike Recovery outside accepted recovery limits |
| | J - Analyte detected below quantitation limits | R - RPD outside accepted recovery limits |
| | B - Analyte detected in the associated Method Blank | E - Value above quantitation range |
| | * - Value exceeds Maximum Contaminant Level | # - See Case Narrative |
| | RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate. | |

AMRO Environmental Laboratories Corp.

Date: 06-Nov-00

| | | | |
|-------------------|-----------------------|--------------------------|-----------|
| CLIENT: | GEL Consultants, Inc. | Client Sample ID: | 00291-SS8 |
| Lab Order: | 0010268 | | |
| Project: | 00291 Canton | Collection Date: | 10/25/00 |
| Lab ID: | 0010268-07A | Matrix: | SOIL |

| Analyses | Result | RL | Qual Units | DF | Date Analyzed |
|-------------------------|---------------|--------------|-------------------|-----------|-------------------------|
| PERCENT MOISTURE | | D2216 | | | |
| Percent Moisture | 12.9 | 0 | wt% | 1 | Analyst: SL 10/26/00 |

| | | |
|--------------------|---|---|
| Qualifiers: | ND - Not Detected at the Reporting Limit | S - Spike Recovery outside accepted recovery limits |
| | J - Analyte detected below quantitation limits | R - RPD outside accepted recovery limits |
| | B - Analyte detected in the associated Method Blank | E - Value above quantitation range |
| | * - Value exceeds Maximum Contaminant Level | # - See Case Narrative |
| | RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate. | |

AMRO Environmental Laboratories Corp.

Date: 06-Nov-00

| | | | |
|------------|-----------------------|-------------------|------------|
| CLIENT: | GEI Consultants, Inc. | Client Sample ID: | 00291-SS10 |
| Lab Order: | 0010268 | | |
| Project: | 00291 Canton | Collection Date: | 10/25/00 |
| Lab ID: | 0010268-08A | Matrix: | SOIL |

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|------------------|--------|-------|------|-------|----|---------------|
| PERCENT MOISTURE | | D2216 | | | | Analyst: SL |
| Percent Moisture | 12.4 | 0 | | wt% | 1 | 10/26/00 |

| | | |
|-------------|---|---|
| Qualifiers: | ND - Not Detected at the Reporting Limit | S - Spike Recovery outside accepted recovery limits |
| | J - Analyte detected below quantitation limits | R - RPD outside accepted recovery limits |
| | B - Analyte detected in the associated Method Blank | E - Value above quantitation range |
| | * - Value exceeds Maximum Contaminant Level | # - See Case Narrative |
| | RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate. | |

METHOD BLANK

AMRO Environmental Laboratories Corp.

Date: 08-Nov-00

CLIENT: GEI Consultants, Inc.

Work Order: 0010268

Project: 00291 Canton

QC SUMMARY REPORT

Method Blank

| | | | | | | | | | | | | |
|----------------------------|-----------|-----------|------------------|------------|-----------------|--------|----------|---------------|---------------------|-----------|----------|-----|
| Sample ID | MB-3031 | Batch ID: | 3031 | Test Code: | SW8082 | Units: | µg/Kg | Analysis Date | 10/31/00 8:02:00 PM | Prep Date | 10/30/00 | |
| Client ID: | | Run ID: | GC-ELVIS_001101A | SeqNo: | 85756 | | | | | | | |
| | QC Sample | | | QC Spike | Original Sample | | | | Original Sample | | | |
| Analyte | Result | RL | Units | Amount | Result | %REC | LowLimit | HighLimit | or MS Result | %RPD | RPDLimit | Qua |
| Aroclor 1016 | ND | 25 | µg/Kg | | | | | | | | | |
| Aroclor 1221 | ND | 25 | µg/Kg | | | | | | | | | |
| Aroclor 1232 | ND | 25 | µg/Kg | | | | | | | | | |
| Aroclor 1242 | ND | 25 | µg/Kg | | | | | | | | | |
| Aroclor 1248 | ND | 25 | µg/Kg | | | | | | | | | |
| Aroclor 1254 | ND | 25 | µg/Kg | | | | | | | | | |
| Aroclor 1260 | ND | 25 | µg/Kg | | | | | | | | | |
| Surr: Tetrachloro-m-xylene | 8.872 | 0 | µg/Kg | 8 | 0 | 111 | 43 | 117 | 0 | | | |
| Surr: Decachlorobiphenyl | 5.42 | 0 | µg/Kg | 8 | 0 | 67.8 | 36 | 130 | 0 | | | |

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

MATRIX SPIKE AND MATRIX SPIKE DUPLICATE

AMRO Environmental Laboratories Corp.

Date: 08-Nov-00

CLIENT: GEI Consultants, Inc.

Work Order: 0010268

Project: 00291 Canton

QC SUMMARY REPORT

Sample Matrix Spike

| | | | | | | | | | | | | |
|----------------------------|------------------|-----------|------------------|-----------------|------------------------|--------|-----------|---------------|------------------------------|-----------|----------|-----|
| Sample ID | 0010268-05AMS | Batch ID: | 3031 | Test Code: | SW8082 | Units: | µg/Kg-dry | Analysis Date | 10/31/00 11:35:00 PM | Prep Date | 10/30/00 | |
| Client ID: | 00291-SS5 | Run ID: | GC-ELVIS_001101A | SeqNo: | 85776 | | | | | | | |
| Analyte | QC Sample Result | RL | Units | QC Spike Amount | Original Sample Result | %REC | LowLimit | HighLimit | Original Sample or MS Result | %RPD | RPDLimit | Qua |
| Aroclor 1016 | 578.1 | 28 | µg/Kg-dry | 559.1 | 0 | 103 | 41 | 125 | 0 | | | |
| Aroclor 1260 | 912.6 | 28 | µg/Kg-dry | 559.1 | 726.7 | 33.3 | 39 | 120 | 0 | | | S |
| Surr: Tetrachloro-m-xylene | 5.84 | 0 | µg/Kg-dry | 8.945 | 0 | 65.3 | 43 | 117 | 0 | | | |
| Surr: Decachlorobiphenyl | 5.441 | 0 | µg/Kg-dry | 8.945 | 0 | 60.8 | 36 | 130 | 0 | | | |

| | | | | | | | | | | | | |
|----------------------------|------------------|-----------|------------------|-----------------|------------------------|--------|-----------|---------------|------------------------------|-----------|----------|-----|
| Sample ID | 0010268-05AMSD | Batch ID: | 3031 | Test Code: | SW8082 | Units: | µg/Kg-dry | Analysis Date | 11/1/00 12:02:00 AM | Prep Date | 10/30/00 | |
| Client ID: | 00291-SS5 | Run ID: | GC-ELVIS_001101A | SeqNo: | 85778 | | | | | | | |
| Analyte | QC Sample Result | RL | Units | QC Spike Amount | Original Sample Result | %REC | LowLimit | HighLimit | Original Sample or MS Result | %RPD | RPDLimit | Qua |
| Aroclor 1016 | 559.6 | 28 | µg/Kg-dry | 555.5 | 0 | 101 | 41 | 125 | 578.1 | 3.25 | 50 | |
| Aroclor 1260 | 798.6 | 28 | µg/Kg-dry | 555.5 | 726.7 | 12.9 | 39 | 120 | 912.6 | 13.3 | 50 | S |
| Surr: Tetrachloro-m-xylene | 5.479 | 0 | µg/Kg-dry | 8.887 | 0 | 61.7 | 43 | 117 | 0 | 0 | 0 | |
| Surr: Decachlorobiphenyl | 4.885 | 0 | µg/Kg-dry | 8.887 | 0 | 55 | 36 | 130 | 0 | 0 | 0 | |

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

LABORATORY CONTROL SAMPLE

AMRO Environmental Laboratories Corp.

Date: 08-Nov-00

CLIENT: GEI Consultants, Inc.

Work Order: 0010268

Project: 00291 Canton

QC SUMMARY REPORT

Laboratory Control Spike

| | | | | | | | | | | | | |
|----------------------------|-----------|-----------|------------------|------------|-----------------|--------|----------|---------------|---------------------|-----------|----------|-----|
| Sample ID | LCS-3031 | Batch ID: | 3031 | Test Code: | SW8082 | Units: | µg/Kg | Analysis Date | 10/31/00 3:36:00 PM | Prep Date | 10/30/00 | |
| Client ID: | | Run ID: | GC-ELVIS_001101A | SeqNo: | 85757 | | | | | | | |
| | QC Sample | | | QC Spike | Original Sample | | | | Original Sample | | | |
| Analyte | Result | RL | Units | Amount | Result | %REC | LowLimit | HighLimit | or MS Result | %RPD | RPDLimit | Qua |
| Aroclor 1016 | 475.9 | 25 | µg/Kg | 500 | 0 | 95.2 | 60 | 118 | 0 | | | |
| Aroclor 1260 | 469.2 | 25 | µg/Kg | 500 | 0 | 93.8 | 61 | 125 | 0 | | | |
| Surr: Tetrachloro-m-xylene | 7.435 | 0 | µg/Kg | 8 | 0 | 92.9 | 43 | 117 | 0 | | | |
| Surr: Decachlorobiphenyl | 7.541 | 0 | µg/Kg | 8 | 0 | 94.3 | 36 | 130 | 0 | | | |

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.